

Oil Spill Response and Natural Resource Damage Assessment (NRDA)



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The Purpose of **NRDA** is to **RESTORE the ENVIRONMENT**

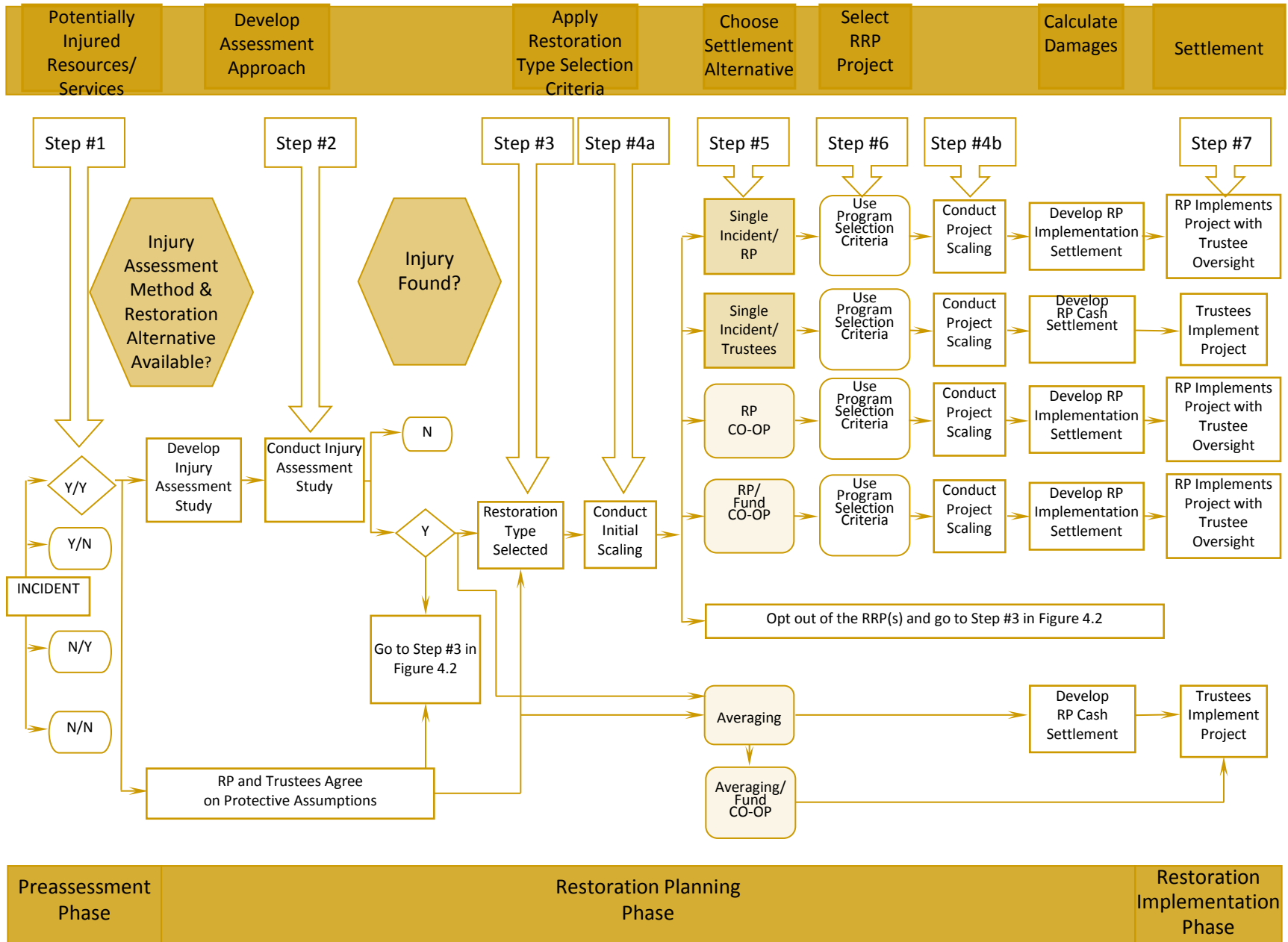
Make the public whole
for injuries to natural resources and services resulting
from an oil spill.

Accomplished by the return
of the injured resources to baseline and compensation
for interim losses from the date of the oil spill until
resources are recovered.

3 PHASES OF NRDA

- Preassessment
- Restoration Planning
(Includes Injury Assessment and Planning for Restoration)
- Restoration Implementation

NRDA PROCESS



NRDA PROCESS

- **Identify Injured Natural Resources**
Habitat, Sediments, Water Column, Wildlife, Birds, and Recreational Uses
- **Invite the RP to Participate**
- **Develop Injury Assessment Approach**
- **Quantify Injury**
- **Find, Select, Scale Restoration Project(s)**
- **Present Claim to RP or Oil Spill Fund/Court**
- **Implement and Monitor Project for Success**

IMH - Chapter 4

Best Response = Successful Response

Key Driver: Natural Environment

- ✓ **Source Secured**
- ✓ **Product Contained**
- ✓ **Sensitive Areas Protected**
- ✓ **Resource Damage Minimized**

RESPONSE and **NRDA**
on Parallel Track because
DATA NEEDS are **SIMILAR**

DATA NEEDS ARE SIMILAR

Response

- Source
- Location
- Protection
- Samples for fingerprinting

NRDA

- Source
- Location
- Protection
- Samples for toxicity and weathering

DATA NEEDS ARE SIMILAR

Response

- Containment
- Recoverable oil
- Recovered oil (bbls, yds³ of debris, etc.)

NRDA

- Collection areas
- Degree of oiling
- How much oil is left in the environment and how much biological material removed

DATA NEEDS ARE SIMILAR

Response

- What needs to be cleaned up
- How to clean it

NRDA

- Are there impacts to wildlife, vegetation, sediments, aquatic organisms
- People, equipment, ISB, dispersants, cut vegetation, etc.

DATA NEEDS ARE SIMILAR

Response

- Demob and maintenance
- Remediation
- Mitigation under CUP or EUA

NRDA

- Duration of impacts
- Receive Sample Information
- Will RP be required to perform work at the impacted area?

DATA NEEDS ARE SIMILAR

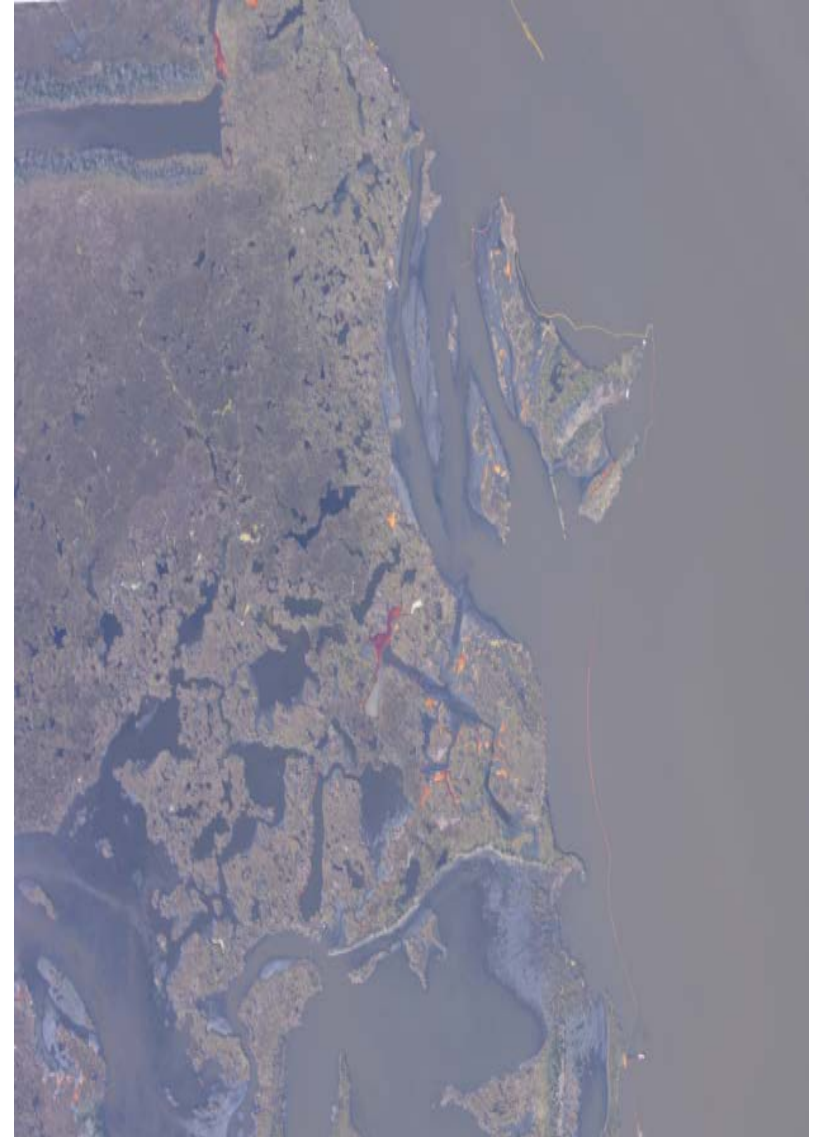
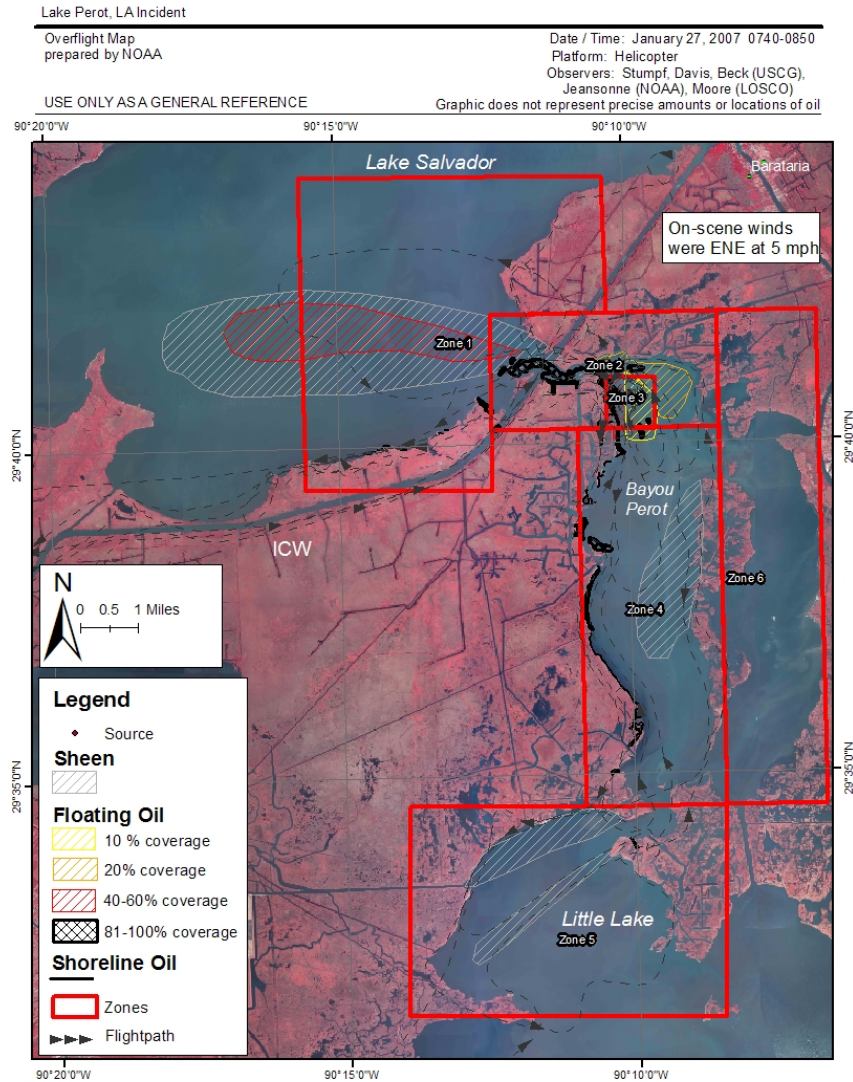
Response

- Landowner requirements
- Passive maintenance

NRDA

- Will landowner require any projects at the spill site?
- Long term monitoring

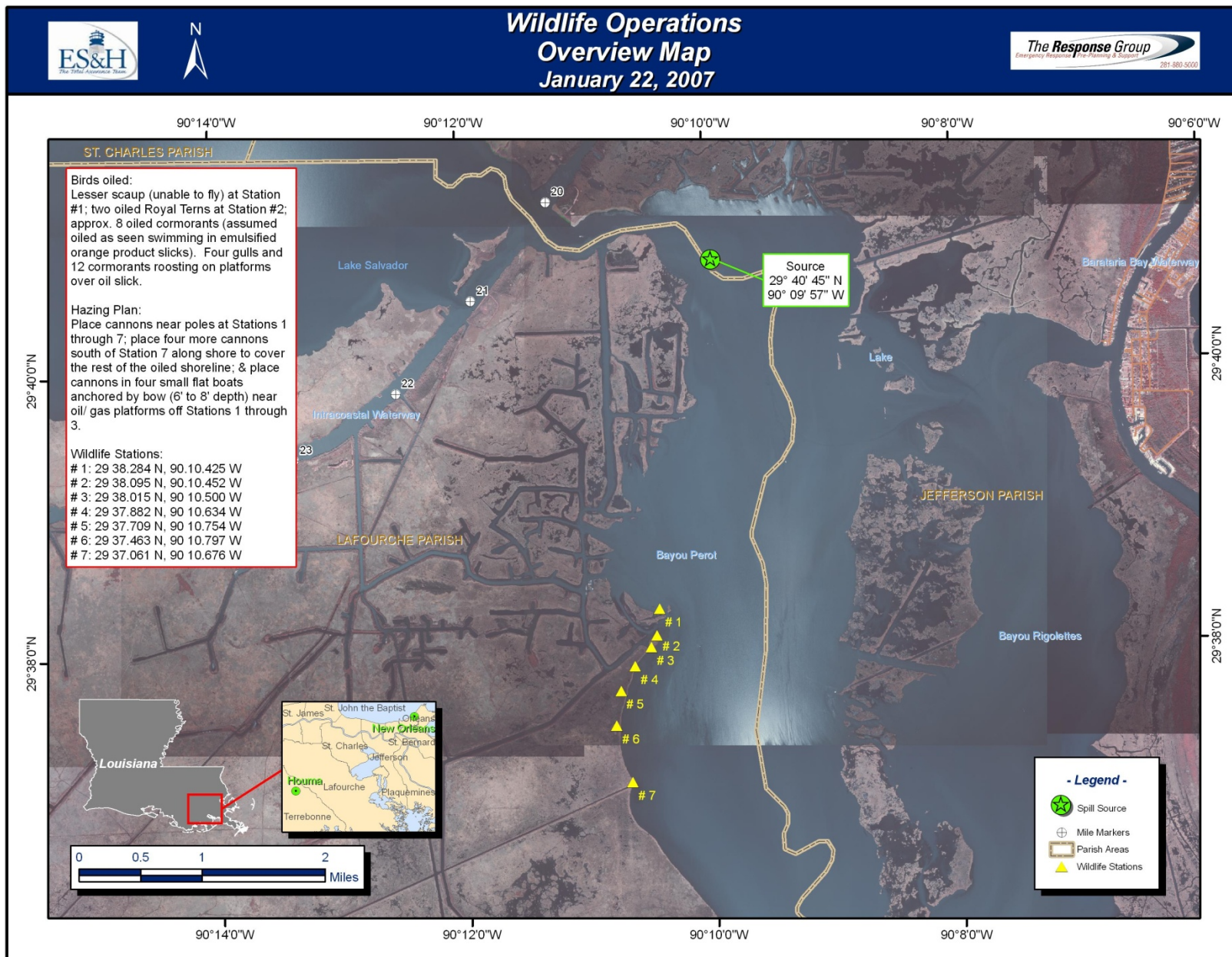
Examples of Data



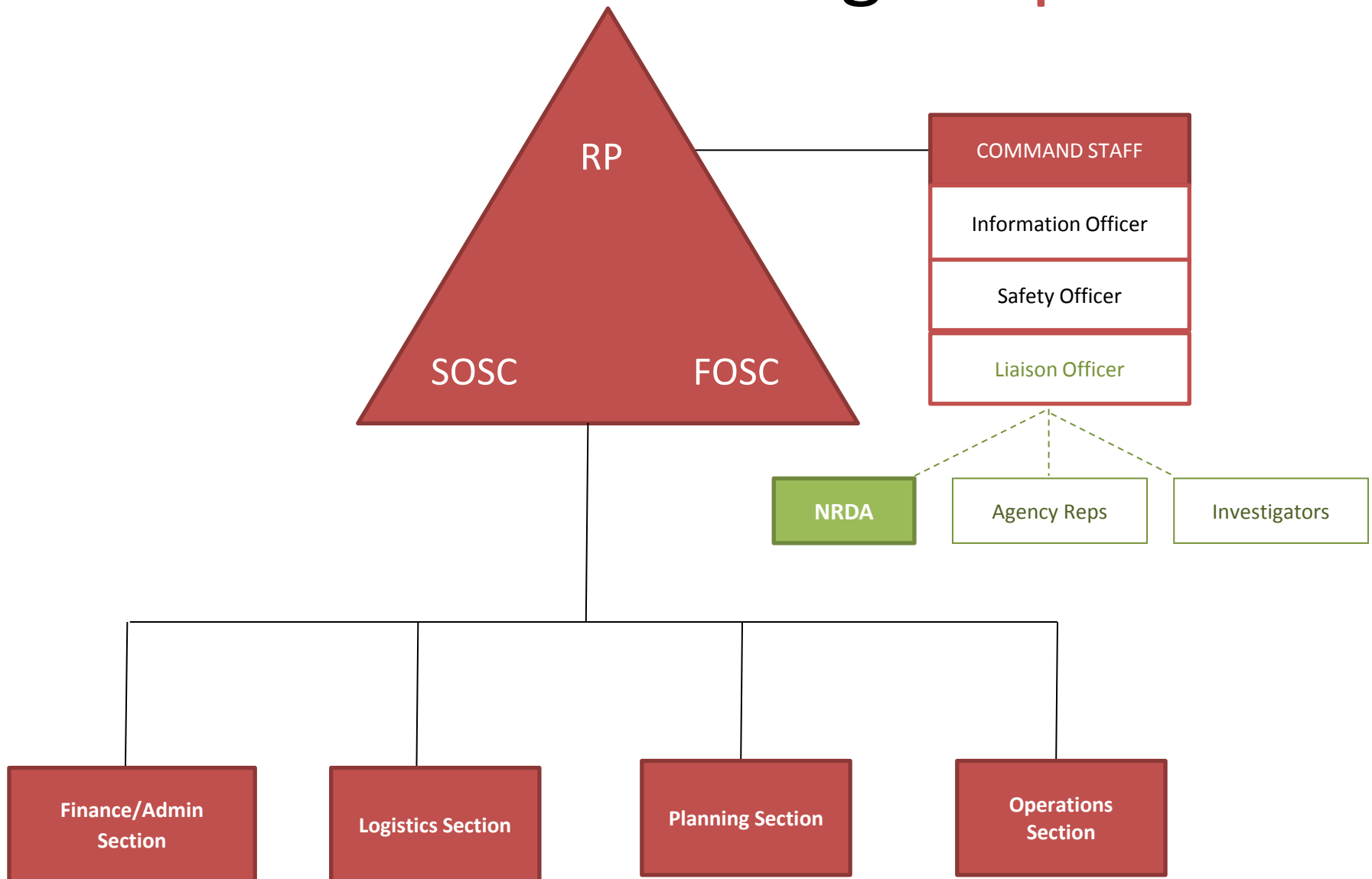
Examples of Data



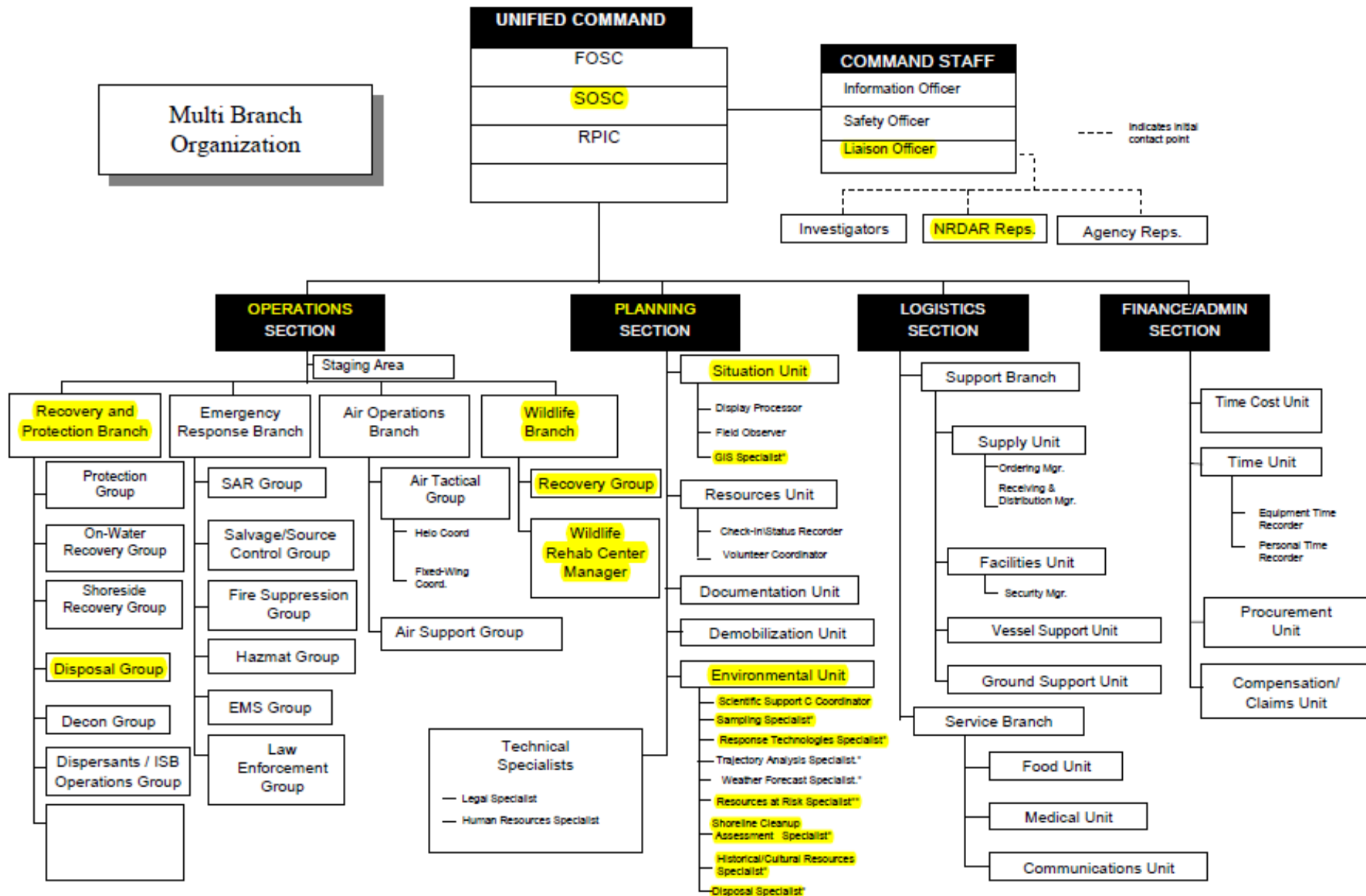
Examples of Data



Where is NRDA during Response?



Incident Command System



NRDA DATA FROM RESPONSE

- IAPs
 - 202 Objectives
 - 204A Special Environmental Considerations
 - 209 Incident Status Summary
 - 215 Wildlife Branch and/or SCAT
 - 232/232a Environmentally Sensitive/Wildlife Issues
 - Waste Disposal Plan
 - Cleanup End Points
 - Etc.

SUCCESSFUL NRDA

Response and NRDA must
communicate and
coordinate!

NRDA Needs **Response** Data

Restore the Environment

Questions?

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